

Solicitation NNC12ZDP001Q
Ka-Band Indoor Frequency Converters

1. INTRODUCTION

1.1 This is a combined synopsis/solicitation for commercial items prepared in accordance with the format in FAR Subpart 12.6, as supplemented with additional information included in this notice. This announcement constitutes the only solicitation; proposals are being requested and a separate written solicitation will not be issued. This Solicitation number is NNC12ZDP001Q, and is a Request for Quote (RFQ). This Solicitation document and incorporated provisions and clauses are those in effect through Federal Acquisition Circular 05-60. This procurement IS set aside for small business. The NAICS code for this procurement is 334290, Other Communications Equipment Manufacturing. The size standard for this NAICS code is 750 employees.

1.2 A list of contract line item numbers and items/services to be acquired, including delivery dates/location and FOB point, are described in Section 2 “DELIVERY AND FOB POINT” and in more detail in Section 3 “SPECIFICATIONS”.

1.3 Provision 52.212-1, Instructions to Offerors – Commercial, applies to this procurement. No addenda are included. See Section 5.1 for further detail.

1.4 Provision 52.212-2, Evaluation – Commercial Items, applies to this procurement. See Section 6.1 for further detail.

1.5 Offerors shall include a completed copy of the provisions 52.212-3, Offeror Representations and Certifications – Commercial Items, with its offer. See section 5.7 for further detail.

1.6 Offerors shall be registered in the Federal-wide System for Award Management (SAM) website located at: <https://www.sam.gov/portal/public/SAM/>. This is required for any organization to receive an award under this procurement. In addition, to qualify as a small business under this procurement, the offeror shall certify its small business status under NAICS code 334290 in the representations and certifications located in SAM. Failure to do so will exclude the offeror’s quote from further consideration. See Sections 5.5 – 5.7 for further detail.

1.7 Clause 52.212-4, Contract Terms and Conditions – Commercial Items, applies to this procurement. See Section 4.1 for further detail.

1.8 Clause at 52.212-5, Contract Terms and Conditions Required To Implement Statutes or Executive Orders—Commercial Items, applies to this procurement. Applicable clauses are checked and text is in bold font. See Section 4.2 for further detail.

1.9 The DPAS rating for this procurement is DO-C9.

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1.10 Offers are due to Jeffrey Hoyt no later than 4:30 pm local GRC time on Wednesday, September 26, 2012. Offers shall be submitted via e-mail to Jeffrey.D.Hoyt@nasa.gov . Telephone correspondence is NOT appropriate for this procurement, and all telephone inquiries will be directed to communicate via email.

1.11 Questions regarding this acquisition must be submitted in writing no later than 4:30 pm on Monday, September 24, 2012.

1.12 Notwithstanding the areas discussed in this Introduction, all aspects of this Solicitation are of equal importance and should be read and considered for any response.

[END OF SECTION]

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2. DELIVERY AND FOB POINT

2.1 Deliverables

The following items are being solicited on a Firm-Fixed Price basis:

- 1) Ka-band Indoor Frequency Converters*, delivered to NASA GRC by: TBD.

* This procurement is for two (2) indoor rack-mounted Ka-band up and down converters. The application is for a Ka-band test set compatible with NASA's Tracking and Data Relay Satellite System (TDRSS). The converters may be packaged as one single unit, or as separate up and down converter units. The IF of the converters shall use a 1.2-GHz center frequency with a minimum bandwidth of 650 MHz for the down-converter and a 370 MHz center frequency with a minimum bandwidth of 50 MHz for the up-converter. See specifications in Section 3 for further detail.

2.2 Delivery Instructions

- (a) The Contractor shall ship the items required under this contract to:

NASA Glenn Research Center
21000 Brookpark Road
Cleveland, Ohio
44135
Attn: TBD
Contract Number: NNC12CA46C

- (b) Unless otherwise authorized in advance by the Contracting Officer, deliveries under this contract shall be made between the hours of 8 am and 4:30 pm, Monday through Friday, excluding Federal holidays.

- (b) Additional delivery instructions: TBD

- (d) Additional marking instructions: TBD

(End of clause)

2.3 FOB Point

Delivery shall be EITHER FOB Destination OR FOB Origin Prepay and Add. Offer shall propose the appropriate shipping term.

[END OF SECTION]

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3. SPECIFICATIONS

This procurement is for two (2) indoor rack-mounted Ka-band up and down converters. The application is for a Ka-band test set compatible with NASA's Tracking and Data Relay Satellite System (TDRSS). The converters may be packaged as one single unit, or as separate up and down converter units. The IF of the converters shall use a 1.2-GHz center frequency with a minimum bandwidth of 650 MHz for the down-converter and a 370 MHz center frequency with a minimum bandwidth of 50 MHz for the up-converter. In addition, the converters must meet all of the following specifications:

3.1 Upconverter Specifications:

- Output Frequency Band: 22.55 to 23.55 GHz
- Input Center Frequency: 370 MHz
- IF Bandwidth: ≥ 50 MHz
- Frequency Sense: Non-inverting
- Power Output: $\geq +10$ dBm @ 1 dB compression
- Impedance: 50 Ohms
- Gain: 0 to 25 dB, adjustable in 1 dB min steps
- Group Delay: ≤ 1 nS Peak-to-Peak over any 50 MHz bandwidth
- Return Loss: ≥ 18 dB
- Spurious: -60 dBc
- Tuning Step Size: 1 MHz
- Output Level Stability: ± 0.25 dB/day at constant temperature
- Amplitude Response: ± 0.5 dB over ± 25 MHz
- Output Mute: The upconverter shall include a "mute" feature to remotely turn off (reduce by < 60 dB) the output of the upconverter.
- Signal Monitor Port: -20 dB coupler, nominal

3.2 Downconverter Specifications:

- Input Frequency Band: 25.25 to 27.50 GHz
- Output Center Frequency: 1.20 GHz
- IF Bandwidth: ≥ 650 MHz
- Input Power: -30 dBm to -60 dBm typical
- Frequency Sense: Non-inverting
- Power Output (@ 1.2 GHz): $\geq +10$ dBm @ 1 dB compression
- Impedance: 50 Ohms
- Gain: 0 to 45 dB, adjustable in 1 dB min steps
- Group Delay: ≤ 1 nS Peak-to-Peak over any 650 MHz bandwidth
- Return Loss: ≥ 18 dB
- Spurious: -60 dBc
- Tuning Step Size: 1 MHz
- Output Level Stability: ± 0.25 dB/day at constant temperature
- Amplitude Response: ± 1 dB over any 650 MHz

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- Output Mute: Not required for down-converter
- Signal Monitor Port: -20 dB coupler, nominal

3.3 Frequency Reference:

- Internal Frequency Reference: Shall include an internal frequency standard with a minimum frequency stability of: $\pm 1 \times 10^{-8}$
- External Reference: Shall accept and lock to an external 5 MHz and / or 10 MHz frequency standard.

3.4 Primary Power:

- Voltage: 90 to 250 VAC
- Frequency: 47 to 63 Hz

3.5 Operating Environment:

- Ambient Temperature: 0° to +50 °C (Operating)
-50 to +70 °C (Non Operating, including transit)

3.6 Remote Control:

- The converter(s) shall be remotely controllable via PC software using Ethernet or RS-232, or RS-485. The remote control shall include the following minimum features:
 - 3.6.1 Ability to remotely control the Ka-band operating frequency
 - 3.6.2 Ability to remotely 'mute' the output (reduce by <60dB).
 - 3.6.2 Alarm Status, including:
 - a) Read the internal temperature.
 - b) Display fault indicators including power supply, temp fault, phase lock fault.
 - c) Provide a 'Muted Output' indication.
 - d) Read and display the current operating frequency.

3.7 Packaging

- The converters shall be rack mountable in standard 19" wide equipment racks (see EIA-310-D and IEC 60297 series of standards). The depth of the converter enclosures shall not exceed 22".

[END OF SECTION]

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4. APPLICABLE FEDERAL ACQUISITION REGULATION (FAR) CLAUSES, NASA FAR SUPPLEMENT (NFS) CLAUSES, AND SUPPLEMENTAL CLAUSES

4.1 52.212-4 Contract Terms and Conditions - Commercial Items. (FEB 2012)

4.2 52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items. (MAY 2012)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

[] Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: Contracting Officer check as appropriate.

[X](1) 52.203-6, Restrictions on Subcontractor Sales to the Government (SEP 2006), with Alternate I (OCT 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).

[](2) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010)(Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

[](3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (JUN 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

[X](4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (FEB 2012) (Pub. L. 109-282) (31 U.S.C. 6101 note).

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[](5) 52.204-11, American Recovery and Reinvestment Act--Reporting Requirements (JUL 2010) (Pub. L. 111-5).

[X](6) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (DEC 2010) (31 U.S.C. 6101 note).

[](7) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (FEB 2012) (41 U.S.C. 2313).

[X](8) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (MAY 2012) (section 738 of Division C of Pub. L. 112-74, section 740 of Division C of Pub. L. 111-117, section 743 of Division D of Pub. L. 111-8, and section 745 of Division D of Pub. L. 110-161).

[](9) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (NOV 2011) (15 U.S.C. 657a).

[](10) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (JAN 2011) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).

[](11) (Reserved)

[X](12)(i) 52.219-6, Notice of Total Small Business Set-Aside (NOV 2011) (15 U.S.C. 644).

[](ii) Alternate I (NOV 2011).

[](iii) Alternate II (NOV 2011).

[](13)(i) 52.219-7, Notice of Partial Small Business Set-Aside (JUN 2003) (15 U.S.C. 644).

[](ii) Alternate I (OCT 1995) of 52.219-7.

[](iii) Alternate II (MAR 2004) of 52.219-7.

[X](14) 52.219-8, Utilization of Small Business Concerns (JAN 2011) (15 U.S.C. 637 (d)(2) and (3)).

[](15)(i) 52.219-9, Small Business Subcontracting Plan (JAN 2011) (15 U.S.C. 637(d)(4)).

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[](ii) Alternate I (OCT 2001) of 52.219-9.

[](iii) Alternate II (OCT 2001) of 52.219-9.

[](iv) Alternate III (JUL 2010) of 52.219-9.

[](16) 52.219-13, Notice of Set-Aside of Orders (NOV 2011) (15 U.S.C. 644(r)).

[X](17) 52.219-14, Limitations on Subcontracting (NOV 2011) (15 U.S.C. 637(a)(14)).

[](18) 52.219-16, Liquidated Damages--Subcontracting Plan (JAN 1999) (15 U.S.C. 637(d)(4)(F)(i)).

[](19)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (OCT 2008) (10 U.S.C. 2323)(if the offeror elects to waive the adjustment, it shall so indicate in its offer.)

[](ii) Alternate I (JUN 2003) of 52.219-23.

[](20) 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (DEC 2010) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

[](21) 52.219-26, Small Disadvantaged Business Participation Program--Incentive Subcontracting (OCT 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

[](22) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (NOV 2011) (15 U.S.C. 657f).

[X](23) 52.219-28, Post Award Small Business Program Rerepresentation (APR 2012) (15 U.S.C. 632(a)(2)).

[](24) 52.219-29, Notice of Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (APR 2012) (15 U.S.C. 637(m)).

[](25) 52.219-30, Notice of Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (APR 2012) (15 U.S.C. 637(m)).

[X](26) 52.222-3, Convict Labor (JUN 2003) (E.O. 11755).

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[X](27) 52.222-19, Child Labor-Cooperation with Authorities and Remedies (MAR 2012) (E.O. 13126).

[X](28) 52.222-21, Prohibition of Segregated Facilities (FEB 1999).

[X](29) 52.222-26, Equal Opportunity (MAR 2007) (E.O. 11246).

[X](30) 52.222-35, Equal Opportunity for Veterans (SEP 2010) (38 U.S.C. 4212).

[X](31) 52.222-36, Affirmative Action for Workers with Disabilities (OCT 2010) (29 U.S.C. 793).

[X](32) 52.222-37, Employment Reports on Veterans (SEP 2010) (38 U.S.C. 4212).

[X](33) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496).

[](34) 52.222-54, Employment Eligibility Verification (JAN 2009). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)

[](35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (MAY 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

[](ii) Alternate I (MAY 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

[](36) 52.223-15, Energy Efficiency in Energy-Consuming Products (DEC 2007) (42 U.S.C. 8259b).

[](37)(i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (DEC 2007) (E.O. 13423).

[](ii) Alternate I (DEC 2007) of 52.223-16.

[X](38) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011). (E.O. 13513).

[X](39) 52.225-1, Buy American Act - Supplies (FEB 2009) (41 U.S.C.

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10a-10d).

[](40)(i) 52.225-3, Buy American Act-Free Trade Agreements-Israeli Trade Act (MAY 2012) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, and 112-42).

[](ii) Alternate I (MAR 2012) of 52.225-3.

[](iii) Alternate II (MAR 2012) of 52.225-3.

[](iv) Alternate III (MAR 2012) of 52.225-3.

[](41) 52.225-5, Trade Agreements (MAY 2012) (19 U.S.C. 2501, *et seq.*, 19 U.S.C. 3301 note).

[X](42) 52.225-13, Restrictions on Certain Foreign Purchases (JUN 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

[](43) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (NOV 2007) (42 U.S.C. 5150).

[](44) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (NOV 2007) (42 U.S.C. 5150).

[](45) 52.232-29, Terms for Financing of Purchases of Commercial Items (FEB 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

[](46) 52.232-30, Installment Payments for Commercial Items (OCT 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

[X](47) 52.232-33, Payment by Electronic Funds Transfer - Central Contractor Registration (OCT 2003) (31 U.S.C. 3332).

[](48) 52.232-34, Payment by Electronic Funds Transfer - Other than Central Contractor Registration (MAY 1999) (31 U.S.C. 3332).

[](49) 52.232-36, Payment by Third Party (FEB 2010) (31 U.S.C. 3332).

[X](50) 52.239-1, Privacy or Security Safeguards (AUG 1996) (5 U.S.C. 552a).

[](51)(i) 52.247-64, Preference for Privately Owned U.S.-Flag

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Commercial Vessels (FEB 2006) (46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631).

[](ii) Alternate I (APR 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)

[](1) 52.222-41, Service Contract Act of 1965 (NOV 2007) (41 U.S.C. 351, et seq.).

[](2) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

[](3) 52.222-43, Fair Labor Standards Act and Service Contract Act--Price Adjustment (Multiple Year and Option Contracts) (SEP 2009) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

[](4) 52.222-44, Fair Labor Standards Act and Service Contract Act--Price Adjustment (SEP 2009) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

[](5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (NOV 2007) (41 U.S.C. 351, et seq.).

[](6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services--Requirements (FEB 2009) (41 U.S.C. 351, et seq.).

[](7) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (MAR 2009) (Pub. L. 110-247).

[](8) 52.237-11, Accepting and Dispensing of \$1 Coin (SEP 2008) (31 U.S.C. 5112(p)(1)).

(d) *Comptroller General Examination of Record.* The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records - Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to

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examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

(ii) 52.219-8, Utilization of Small Business Concerns (DEC 2010) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) (Reserved)

(iv) 52.222-26, Equal Opportunity (MAR 2007) (E.O. 11246).

(v) 52.222-35, Equal Opportunity for Veterans (SEP 2010) (38 U.S.C. 4212).

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(vi) 52.222-36, Affirmative Action for Workers with Disabilities (OCT 2010) (29 U.S.C. 793).

(vii) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.

(viii) 52.222-41, Service Contract Act of 1965 (NOV 2007) (41 U.S.C. 351, et seq.).

(ix) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(x) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (NOV 2007) (41 U.S.C. 351, et seq.).

(xi) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services-Requirements (FEB 2009)(41 U.S.C. 351, et seq.).

(xii) 52.222-54, Employment Eligibility Verification (JAN 2009).

(xiii) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (MAR 2009) (Pub. L. 110-247). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xiv) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

4.3 52.252-2 Clauses Incorporated by Reference. (FEB 1998)

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This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these addresses:

For Federal Acquisition Regulation (FAR) clauses, see
<https://www.acquisition.gov/far/index.html>.

For NASA FAR Supplement (NFS) clauses, see
<http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>.

(End of clause)

4.4 1852.215-84 Ombudsman. (NOV 2011)

4.5 1852.219-76 NASA 8 Percent Goal. (JUL 1997)

4.6 1852.223-72 Safety and Health (Short Form). (APR 2002)

4.7 1852.237-73 Release of Sensitive Information. (JUN 2005)

4.8 1852.246-72 Material Inspection and Receiving Report. (AUG 2003)

[END OF SECTION]

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5. SOLICITATION INSTRUCTIONS

Administrative

5.1 Offerors shall provide the information required by FAR 52.212-1, “Instructions to Offerors—Commercial Items.”

5.2 Offerors shall provide a price quote in American dollars for the converters. Quotes shall be all-inclusive, consisting of, but not limited to: labor/material/overhead costs, shipping/handling (if offeror proposes FOB Destination), duties, profit, travel, and any other costs associated with completing the effort.

5.3 A copy of a published price list, catalog price or computer page printout showing the price for Items listed in the Specifications may also be included if desired. (Note, the Contracting Officer may request this information if only 1 source provides an offer).

5.4 Offerors shall provide a statement of their relative past performance in the manufacture and sale of similar Ka-band Indoor Frequency Converters.

5.5 Your offer may take exceptions to the terms and conditions of this solicitation. If so, state the item taken exception to and the proposed alternative. **Note that by your doing so, the Contracting Officer may reject your offer as non-responsive if it is not in the best interests of the Government to accept the alternative offered.** Your offer should include: FOB destination or origin prepay and add to this Center, proposed delivery schedule, discount/payment terms, warranty duration (if applicable), Cage Code, DUNS identification number, indication that the offeror is registered in the System for Award Management (SAM) website located at: <https://www.sam.gov/portal/public/SAM/>, Representations and Certifications (but see 5.7 below), identification of any special commercial terms, description of items offered per 52.212-1 (and as modified), and the offer shall be signed by an authorized company representative. Offerors are encouraged to use the Standard Form 1449, Solicitation/Contract/Order for Commercial Items form, for offers. Faxed offers ARE NOT acceptable.

5.6 Note: In order for an offeror to be awarded a contract, the offeror must be registered as a small business in the NAICS code 334290 in the System for Award Management (SAM) at: <https://www.sam.gov/portal/public/SAM/>.

5.7 Offerors must include a completed copy of the provision at 52.212-3, Offeror Representations and Certifications - Commercial Items with their offer **OR** the following paragraph: *“The offeror has completed the annual representations and certifications electronically via the System for Award Management (SAM) website at <https://www.sam.gov/portal/public/SAM/>. After reviewing the database information,*

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the offeror verifies by submission of this offer that the representations and certifications currently posted electronically at FAR 52.212-3, Offeror Representations and Certifications—Commercial Items, have been entered or updated in the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201), except for paragraphs _____. [Offeror to identify the applicable paragraphs at (b) through (j) of this provision that the offeror has completed for the purposes of this solicitation only, if any.] The representations and certifications will be incorporated by reference in any resultant contract. Representations and Certifications may be obtained via the internet at URLs:

http://prod.nais.nasa.gov/eps/Templates/Commercial_Greater_Than_25K.doc
or <http://www.grc.nasa.gov/WWW/Procure/rforms.html>.

Technical

5.8 The offeror shall submit information which details its ability to meet ALL specifications in Section 3. SPECIFICATIONS. The offeror should assume the Government knows nothing at all about its capabilities, and should explain in thorough detail the approach it will take in meeting all specifications for all areas where explanation is necessary. For these purposes, affirmative statements of relative past performance will be deemed appropriate.

5.9 Offerors may cite a web site that demonstrates all specifications are met for the item offered in lieu of providing an e-mailed or paper copy. Web sites that are not viewable for any reason for up to 1 business day after the offer due date may result in the offer being determined to be non-responsive.

[END OF SECTION]

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6. SELECTION / EVALUATION

6.1 52.212-2 Evaluation - Commercial Items. (JAN 1999)

(a) The Government will award a contract resulting from this solicitation to the responsible offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered. This means award will be conducted on a BEST VALUE basis. The following factors will be used to evaluate offers:

- 1) Price/Cost – The ability of the offeror to provide a fair and reasonable price.
- 2) Technical Merit – The ability of the offeror to successfully meet all specifications in Section 3 of the Solicitation.
- 3) Past Performance – The ability of the offeror to show their relative past performance, preferably 5 years or more, in manufacturing similar Ka-band indoor frequency converters. This past performance should include a history of manufacturing multiple converters for multiple professional organizations.
- 4) Better Value features – These following features are considered ‘better value features’ and are features that go above and beyond what the Government is minimally asking for. These better value features are in no particular order of importance and are all of equal value. Offerors who do *not* provide these better value features will *not* be rated negatively for failing to provide them. However, offerors who *do* meet or exceed the better value features *can* be rated more favorably than those who do not:
 - a. **Total Rack Height:** The lower the total height of one up/down converter is more desirable.
 - b. **Delivery:** The ability of the offeror to deliver before 150-days ARO is more desirable.
 - c. **Tuning Step Size:** The ability of the product to adjust the Ka-band center frequency with a smaller step size than 1-MHz is more desirable.
 - d. **Warranty:** The ability to provide a warranty longer than 1-year is more desirable
 - e. **Spurious Signals:** The ability of the product to minimize spurious signals and for any spurious signals be much lower in

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amplitude than -60 dBc is more desirable.

- f. **Amplitude Flatness Upconverter:** A smaller amplitude ripple than ± 0.5 dB over ± 25 -MHz is more desirable.
- g. **Amplitude Flatness Downconverter:** A smaller amplitude ripple than ± 1 dB over any 650-MHz is more desirable.

Technical and past performance, when combined, are EQUAL to price.

(b) *Options.* The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. Evaluation of options shall not obligate the Government to exercise the option(s). [NOTE TO OFFERORS: NO OPTIONS ARE ANTICIPATED FOR THIS PROCUREMENT]

(c) A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

(End of provision)

[END OF SECTION]

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7. MISCELLANEOUS

7.1 PAYMENT TERMS

Per FAR 32.202-1, it is the responsibility of the contractor to provide all resources needed for performance of commercial contracts. Thus, for purchases of commercial items, financing of the contract is normally the contractor's responsibility. However, in some markets the provision of financing by the buyer is a commercial practice. In these circumstances, the contracting officer may include appropriate financing terms in contracts for commercial purchases when doing so will be in the best interest of the Government.

If the offeror can show that it is customary in the indoor frequency converter market for the buyer (in this case, the Government) to provide financing, please provide this evidence. The Government is willing to consider contract financing in accordance with FAR 32.2.

[END OF SECTION AND SOLICITATION]